2024 UT Austin Invitational Science Olympiad

Crime Busters B Image Sheet

CLASS SET DO NOT WRITE ON PAGES

October 26th, 2024

Exploring the World of Science

Parameters:

- Each participant may bring 1 sheet of paper and lab equipment specified in the Science Olympiad official rules.
- Each participant is required to wear proper PPE at ALL times.
- Failure to clean up your station before the conclusion of the 50 minutes will result in penalty of up to 10%.

Directions:

- You will have 50 minutes to complete this exam.
- All answers must be indicated on your answer sheet.
- Point values indicated for all questions are indicated in test booklets.
- The maximum number of obtainable points on this exam is 206.

Test Writer: Ai Vy Le, *UT Austin Neuroscience '24*
Any questions after the conclusion of the event can be directed to aivyvyy@utexas.edu

Plastic #	Density Information
1	Water: Floats 70% Alcohol: Sinks Corn Oil: Sinks 10% NaCl: Floats
2	Water: Floats 70% Alcohol: Floats Corn Oil: Sinks 10% NaCl: Floats

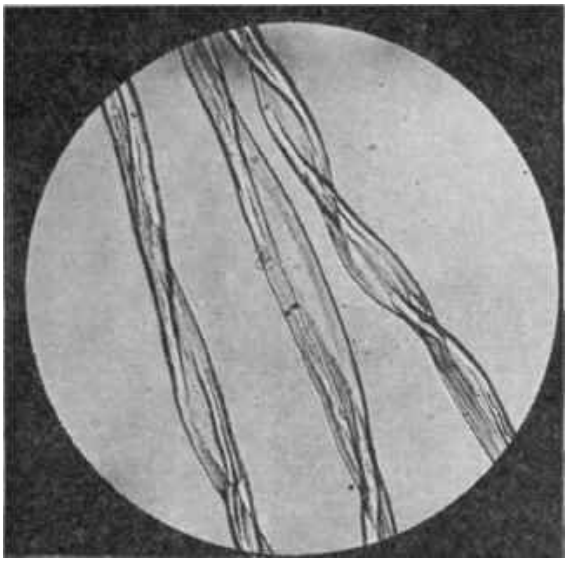

Figure 1: Fiber 1

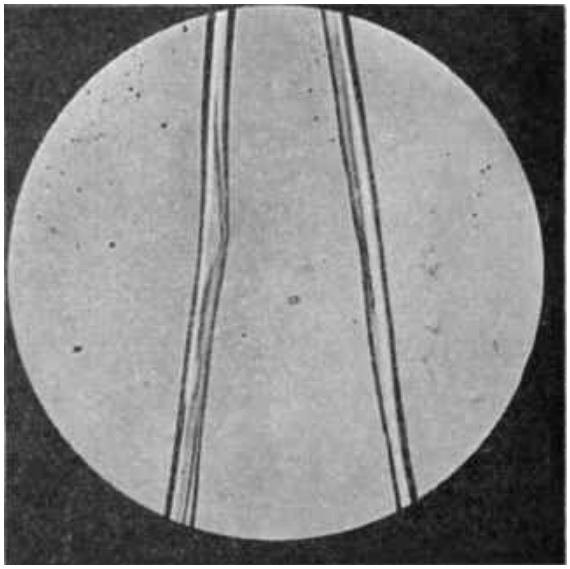

Figure 2: Fiber 2

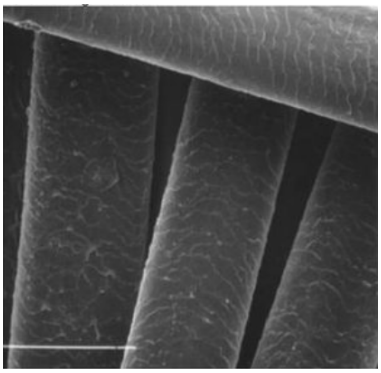

Figure 3: Hair 1

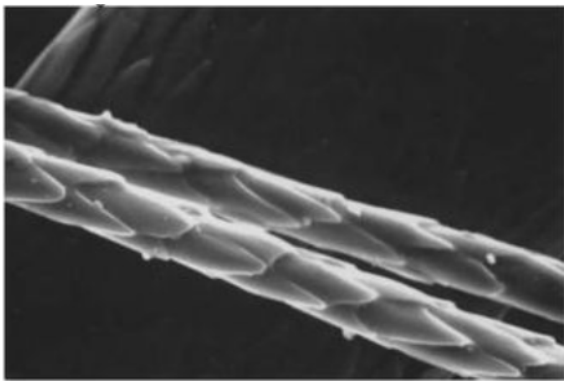

Figure 4: Hair 2

Figure 5: Blood Spatter 1

Figure 6: Blood Spatter 2

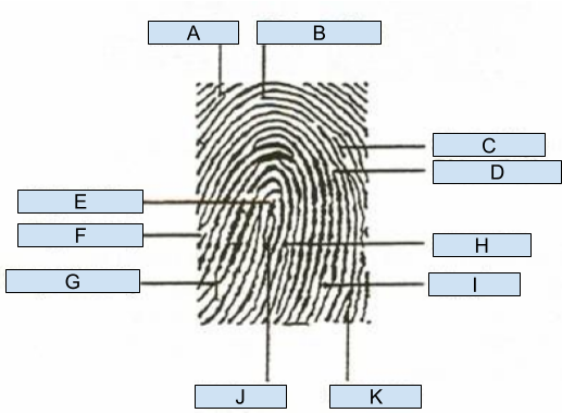

Figure 7: Fingerprint

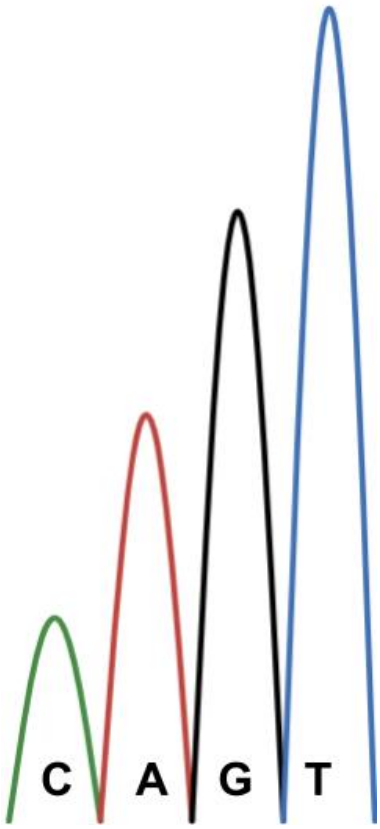

Figure 8: Electrepherogram Key

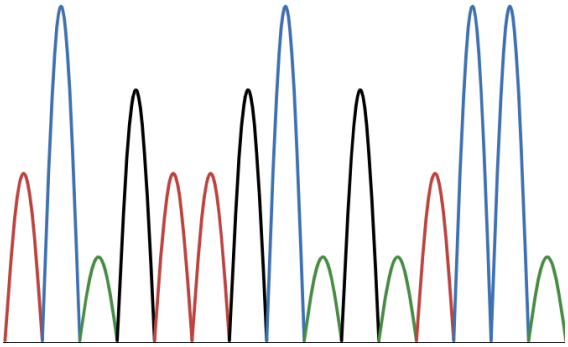

Figure 9: Bulbasaur Electropherogram

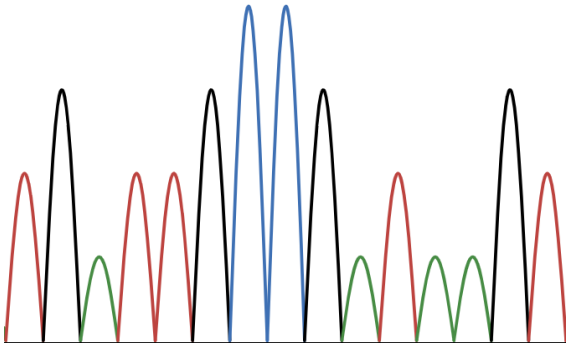

Figure 10: Charmander Electropherogram

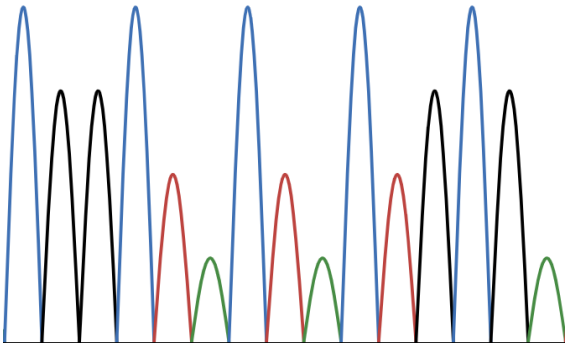

Figure 11: Squirtle Electropherogram

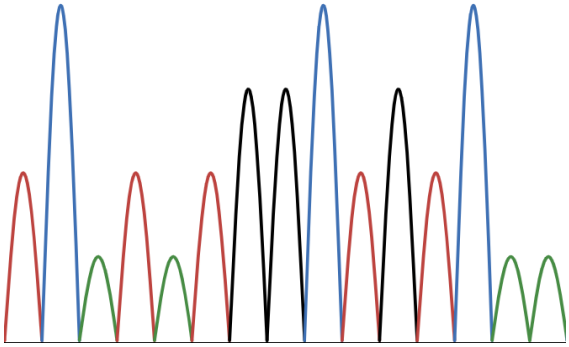

Figure 12: Eevee Electropherogram

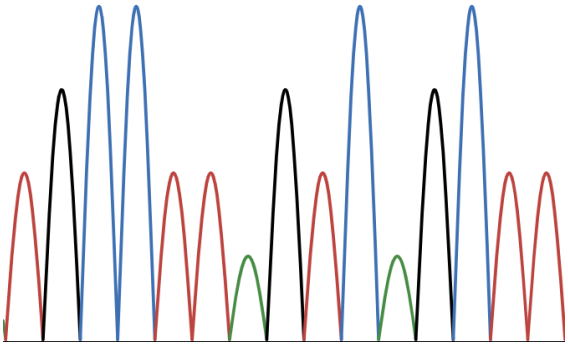

Figure 13: Ditto Electropherogram

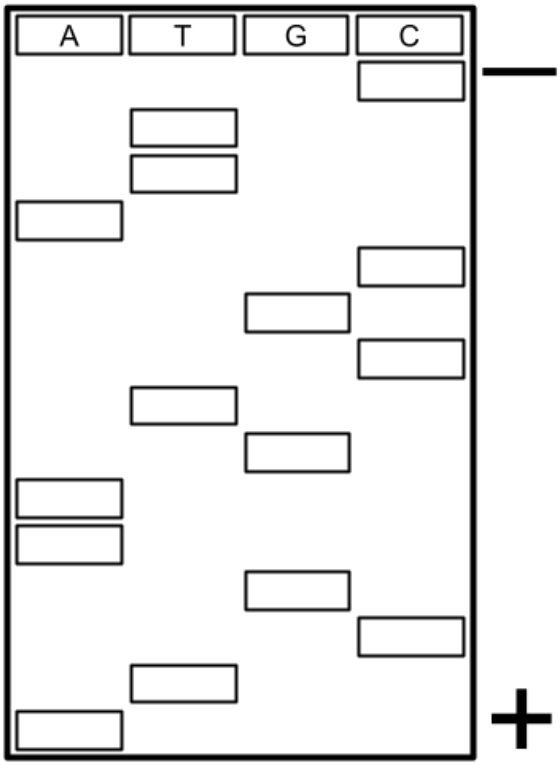

Figure 14: PAGE Gel